DLA Product Data Management Initiative (PDMI)

Purpose

Provide a high level overview of the Product Data Management Initiative (PDMI), and the Configuration and Technical Notification Program (CaTNP) effort
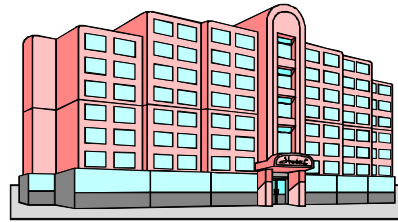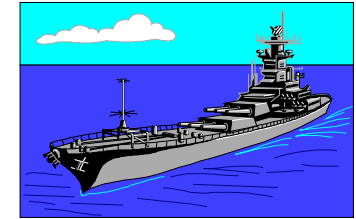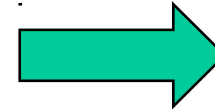
Logistics and Engineering Interface Activity

Requisition → **Fulfillment** →

Critical Item Management

LOGISTICS

- Alternate Product
- Alternate Source
- Support Method
- Tech Data Valid
- Waiver/Deviation

ENGINEERING

- Criticality Determination
- Source Qualification
- Configuration Control

Right Item, Right Time...This is the Challenge.

Mission Need

- DLA's overall Business System Modernization (BSM) strategy requires all business operations to upgrade their Information Technology capabilities including Technical and Quality functions

- Technical and Quality Functions are not fully addressed as part of the SAP Implementation

- Need exists to upgrade the Information Technology capabilities associated with the Technical and Quality business functions

- Except for the ESA Automation process, DLA's technical and quality functions (which are analogous to and complimentary of Service engineering functions) are largely manual
  - Limited access to automated capabilities or digital data
  - No effective mechanism DLA can use to manage, access, update or apply the wide range of product data available to it's operations
  - Limits effectiveness and efficiency of current business processes within DLA
  - Constrains DLA's ability to work with the Services

PDMI Objectives

- Objectives of the Product Data Management Initiative are to:
  - Increase the accuracy and accessibility to product data to make informed engineering and procurement decisions
  - Provide easy location and access to product data for authorized users
  - Link to the SAP application being developed and implemented where required to support ongoing business processes

PDMI Solution

- Automate manual processes
- Replace JEDMICS
- Interface to legacy systems
- Create single virtual workspace for users
- Automate DLA Technical and Quality Deskbook
- Synchronize data sources
- Standardize business processes (One DLA)
- Leverage existing architecture
- Enforce business rules
- Complement SAP environment

PDMI
General Capabilities (1 of 4)

- Enabling J-3 to support Service Program Managers (PMs) in achieving weapons systems availability goals with a minimum of resources

- Improving CINC and joint task force (JTF) views of readiness through managing data in proper (e.g., product specific) relationships while providing visibility and access to the data

- Substantially increasing the quality of DLA data, including the efficiency with which data is accessed and communicated to the users of that data

- Facilitating communications between organic sector capabilities, private sector suppliers and customers

PDMI
General Capabilities (3 of 4)

- Consistently providing responsive, best value supplies and services to DLA customers (i.e., the right item, at the right time, in the right place, at the right price, every time)

- Ensuring the DLA workforce has the capability to deliver and sustain the world-class performance required by the overall BSM strategy, and rapidly exploit technology to provide agile, responsive, interoperable solutions and aggressively pursue partnerships with industry
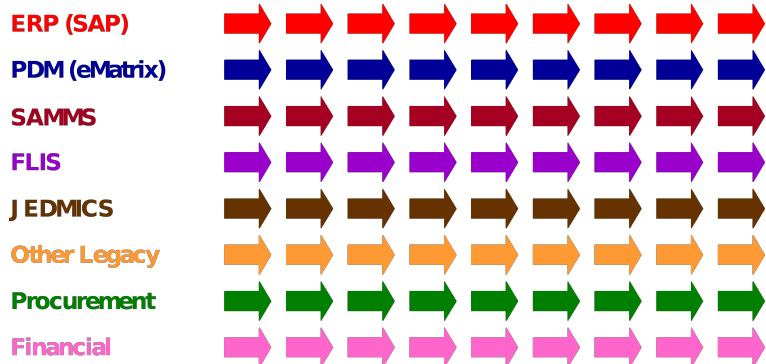
- Jointly interoperating with existing and future CINC, Service and Agency systems, including the capability to address national, coalition and/or allied requirements if needed
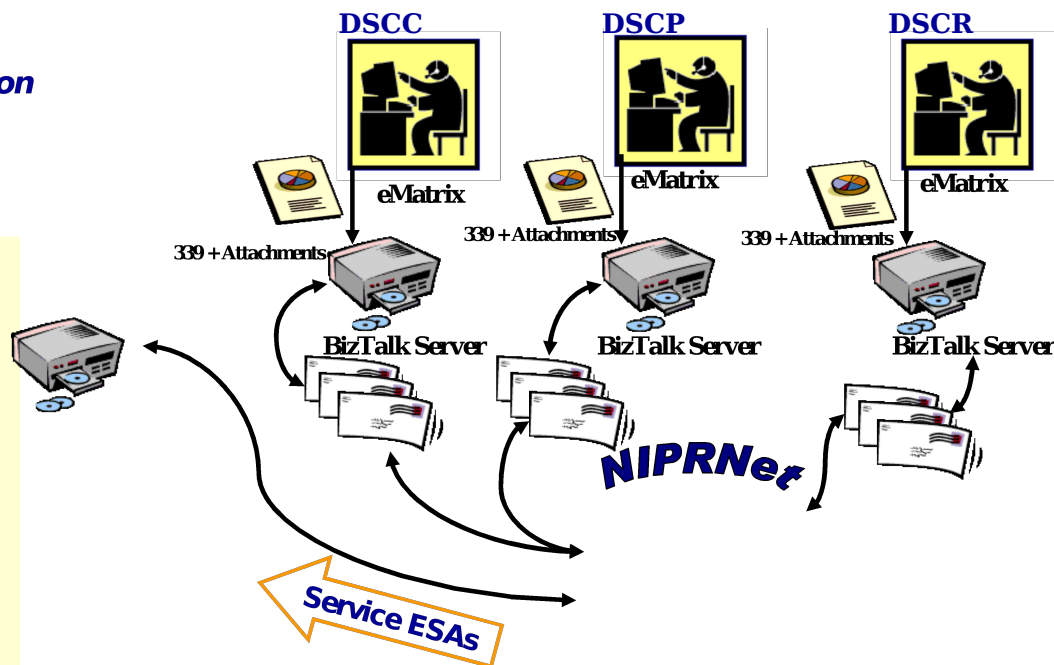
ERP (SAP)

PDM (eMatrix)

SAMMS

FLIS

JEDMICS

Other Legacy

Procurement

Financial

Links between any two

Links between any combination of two or more

Moving from a process relying on multiple, unlinked applications and data sources…

… to a loosely coupled architecture where the systems can speak the same language and the Product Specialist can make the most informed decisions

DSCC

DSCP

DSCR

eMatrix

eMatrix

eMatrix

339 + Attachments

339 + Attachments

339 + Attachments

BizTalk Server

BizTalk Server

BizTalk Server

NIPRNet

Service ESAs

Configuration and Technical Notification Program (CaTNP)

Aviation Investment Strategy

- Congressional "plus-up" to buy $500M in aviation spares
- NAVSUP Commander directed NAVICP to ensure the right spares were bought
- NAVY/DLA developed a joint process to notify the Item Manager when an Engineering Change affected an item of supply
- Focus on supply support – not the engineering change itself

CaTNP Initial Requirement

- Transporting the CISS Form from NAVICP to the appropriate DSC
- Automation of the DSC internal workflows for processing the CISS Form
- Transporting the CISS Form response back to NAVICP
- Developing metrics/reports for end to end CISS Form process

CaTNP Solution

- Use of DLA Architecture to transport the CISS form between the Navy's CaTNP application and DLA's PDM application

- Interface with external applications to support PDMI
  - SAMMS, FLIS, DSD

- Ability to generate forms to compliment the business process
  - Form 1152, RFFCA, DLA Form 339

Sweat the Small Stuff…

- Functional and system level issues
  - System-to-System Access
  - What data goes where (e.g., WR-ALC Centra/JEDMICS)
  - Info Assurance MOAs
  - Drawing Indexing schemas (common taxonomy, if not semantic)
- Joint Functional Forum needed to address operational issues affecting collaboration
  - Central XML registry
  - Common methodology for indexing engineering data
  - Lessons Learned